GENERAL NOTES:

UNLESS OTHERWISE SPECIFIED (UOS)

MATERIAL, FABRICATION, INSPECTION, CLEANING, EXAMINATION, AND TESTING SHALL BE IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION W-058-C3.

TOLERANCES:

Ņ

FRACTIONAL ± 1/2"

ANGULAR ± 1°

ERECTED POSITION OF PIPING 2-1/2" AND LARGER WITHIN ± 2" OF DESIGN POSITION ERECTED POSITION OF PIPING 2" AND SMALLER WITHIN ± 4" OF DESIGN POSITION ERECTED ELEVATION OF PIPING ± 1/4" OF DESIGN POSITION (SHOWN SLOPE SHALL BE MAINTAINED)

PIPE SUPPORT LOCATION AXIALLY ± 4"

 $\sqrt{1}$  3. PIPING INDICATING STOPE OF SLOPE WITH NO TRAPS. SHALL MAINTAIN A 0.25% MINIMUM SLOPE AND SHALL DRAIN IN

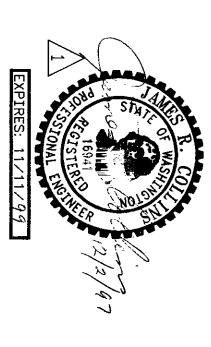
- 4. CONTRACTOR SHALL USE 5 DIAMETER BENDS ON 3"-M9 PIPE UNLESS OTHERWISE CALLED OUT 5 DIAMETER BENDS MAY BE USED IN LIEU OF FITTINGS ON ALL OTHER PIPE. TUBE BENDS MAY BE USED IN LIEU OF COMPRESSION FITTINGS FOR FIELD ROUTED M31 TUB. TUBING. ON DRAWINGS
- <u>ن</u> UNLESS OTHERWISE STATED FILLET WELD SIZES FOR MISCELLANIOUS STEEL FABRICATION SHIN ACCORDANCE WITH ANSI/AWS D1.1-94
- <u></u>5
- 7.
- 6. PIPE SUPPORT HARDWARE (IE...CLAMPS, STRAPS, NUTS AND BOLTS, ETC...)

  SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED "MSS SP-58".
  7. ANCHOR BOLTS SHALL BE "HILTI KWIK BOLT II", OR APPROVED SUBSTITUTE.

  SIZE AND LOCATION AS SHOWN ON DRAWINGS. INSTALL IN ACCORDANCE WITH CONSTRUCTION SPECIFICATION W-058-C3.

  A) DUE TO STRUCTURAL REBAR INTERFERENCE WITH ANCHOR BOLT INSTALLATION, CONTRACTOR MAY RELOCATE 1/2" AND SMALLER ANCHOR BOLTS WITHIN ± 1" OF DESIGN LOCATION. AND 5/8" AND LARGER ANCHOR BOLTS WITHIN ± 1-1/2" OF DESIGN LOCATION.
  B) CONTRACTOR SHALL MAINTAIN MINIMUM DISTANCE FROM ANCHOR BOLT CENTERLINE TO THE EDGE OF THE BASE PLATE IN ACCORDANCE WITH NINTH EDITION AISC STEEL CONSTRUCTION MANUAL, SECTION J3.
- 0 MINIMUM CENTER TO CENTER DIMENSION OF ANCHOR BOLTS TO BE AT LEAST 12 BOLT SIZE DIAMETERS AND SHALL NOT BE VIOLATED WITHOUT ENGINEERING APPROVAL.
- ALL VALVES SHALL BE IDENTIFIED WITH A WIRED ON STAINLESS STEEL WITH APPLICABLE VALVE NUMBER. LETTERS/NUMBERS SHALL BE MADE USING 1/4" HAMMER STRUCK CHARACTER DIES. THE WIRE SHALL BE STAINLESS STEEL.
- ABBREVIATIONS:
- P BOTTOM OF PIPE
   FLAT FACE
  F FACE OF FLANGE
  E PLAIN BOTH ENDS
   PLAIN ONE END
   RAISED FACE
   SHORT RADIUS
  E THREAD BOTH ENDS
  C TOP OF CONCRETE
  E THREAD ONE END
  S TOP OF STEEL
  L OTHERS SHALL BE IN #
- BOP FFF PBE PEE POE RRF SR TOE TOC TOC ALL
- ACCORDANCE

|     | CALCULATION TABLE   | BLE                |
|-----|---|--------------------|
|     | CALCULATION TITLE   | CALCULATION NUMBER |
|     | INSTRUMENT AIR SYSTEM SIZING                                  | W058-P-003         |
|     | RUPTURE DISK/RELIEF VALVE SIZING                              | W058-P-006         |
|     | BOOSTER PUMP TDH DETERMINATION                                | W058-P-012         |
|     | PROÇESS/ENCASEMENT PIPE PRESSURE DESIGN                       | WQ58-P-016         |
| >   | PIPELINE OVERPRESSURE DUE TO WATERHAMMER                      | W058-P-017         |
| /1\ | DIVERSION BOX 6241-A/VENT STATION 6241-V WALL ANCHOR ANALYSIS | W058-P-031         |
|     | PRIMARY PIPE PRESSURE RELIEF                                  | W058-P-042         |
|     | DIVERSION BOX 6241-A/VENT STATION 6241-V<br>PIPING ANALYSIS   | W058-P-043         |



PIPING  $\triangleright$ 

NOTES -822335

W-U58-C3 W-058
CONSTRUCTION SPE

D

 $\circ$ 

 $\boldsymbol{\varpi}$